

Contents of Volume 11

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS; MEDLINE)

Vol. 11 Nos. 1/2

Biopolymer–surfactant interactions: 5: Equilibrium studies on the binding of cetyltrimethyl ammonium bromide and sodium dodecyl sulfate with bovine serum albumin, β -lactoglobulin, hemoglobin, gelatin, lysozyme and deoxyribonucleic acid S. Maulik, P. Dutta, D.K. Chattoraj, S.P. Moulik (India)	1
Energy transfer from C-phycoerythrin to chlorophyll <i>a</i> in Triton X-100 reverse micelles Z. Jiquan, Z. Jingquan, X. Jie, Z. Jianping, J. Lijin (People's Republic of China)	9
XPS and IR study of dicalcium phosphate dihydrate nucleation on titanium surfaces C. Combes, C. Rey, M. Freche (France)	15
Effect of <i>n</i> -decane on lecithin phase transition temperatures: a microscopic study R. Basu, S. De, P. Nandy (India)	29
Polymer interactions between five gram-negative bacteria and glass investigated using LPS micelles and vesicles as model systems B.A. Jucker, H. Harms, A.J.B. Zehnder (Switzerland).	33
Preparation of monodisperse poly(acrylamide-co-acrylic acid) hydrogel microspheres by a membrane emulsification technique and their size-dependent surface properties S. Nagashima, S. Ando, T. Tsukamoto, H. Ohshima, K. Makino (Japan).	47
Biopolymer–surfactant interaction: 3: Kinetics of binding of cetyltrimethyl ammonium bromide to deoxyribonucleic acid S. Maulik, D.K. Chattoraj, S.P. Moulik (India)	57
Platelet interactions with surface-adsorbed plasma proteins: exposure of CD62P induced by von Willebrand factor M. Broberg, H. Nygren (Sweden)	67
In vitro activation of human monocytes by silicones J.O. Naim, C.J. van Oss, K.M.L. Ippolito, J.-W. Zhang, L.-P. Jin, R. Fortuna, N.A. Buehner (USA)	79
Surface tension study on the molecular-aggregate formation of local anesthetic dibucaine hydrochloride H. Matsuki, M. Yamanaka, S. Kaneshina, H. Kamaya, I. Ueda (USA, Japan).	87
Scanning force microscopy of mixed fatty acid/protein Langmuir–Blodgett films transferred on muscovite, a model of their organization N. Dubreuil, S. Alexandre, D. Lair, F. Sommer, T.-M. Duc, J.-M. Valleton (France)	95
Atomic force microscopy as a quantitative technique: correlation between network model approach and experimental study A. Perrin, A. Elaissari, A. Theretz, A. Chapot (France)	103

Vol. 11 No. 3

Cibacron Blue F3GA and Cu(II) derived poly(2-hydroxyethylmethacrylate) membranes for lysozyme adsorption A. Denizli, S. Şenel, M.Y. Arica (Turkey)	113
Early reactions between whole blood and hydrophilic or hydrophobic glass surfaces: effects of heparin and hirudin on von Willebrand factor binding and CD62P exposure on platelets M. Broberg, C. Eriksson, H. Nygren (Sweden).	123
Physico-chemical properties of human plasma fibronectin binding to well characterized titanium dioxide D.E. MacDonald, B. Markovic, A.L. Boskey, P. Somasundaran (USA)	131
Interaction of amphotericin B with polymeric colloids: 1. A spectroscopic study M.S. Espuelas, P. Legrand, M. Cheron, G. Barratt, F. Puisieux, J.-P. Devissaguet, J.M. Irache (Spain, France).	141

- The relationship between the behavior of the α -helical peptide in phospholipid bilayer and its fusion activity
R. Ishiguro, T. Matsumoto, S. Takahashi (Japan) 153

Vol. 11 No. 4

- Micropolarity and microviscosity in the micelles of the heptapeptide biosurfactant "surfactin"
M. Osman, H. Høiland, H. Holmsen (Norway) 167
- Polar adhesion of *Treponema denticola* on wettability gradient surfaces
R.P. Ellen, M. Wikström, D.A. Grove, M. Song, H. Elwing (Canada, Sweden). 177
- Plasma protein adsorption on titanium: comparative in situ studies using optical waveguide lightmode spectroscopy and ellipsometry
R. Kurrat, B. Wälivaara, A. Marti, M. Textor, P. Tengvall, J.J. Ramsden, N.D. Spencer (Switzerland, Sweden) 187
- Interaction of amphotericin B with polymeric colloids: 2. Effect of poloxamer on the adsorption of amphotericin B onto poly(ϵ -caprolactone) nanospheres
M.S. Espuelas, P. Legrand, M. Cheron, G. Barratt, F. Puisieux, M.J. Renedo, J.-P. Devissaguet, J.M. Irache (Spain, France) 203
- A reference guide to microbial cell surface hydrophobicity based on contact angles
H.C. van der Mei, R. Bos, H.J. Busscher (The Netherlands). 213
- Preparation of stable aqueous dispersion of drug in the presence of polymer as stabilizer
K. Esumi, T. Wake, H. Terayama (Japan) 223

Vol. 11 No. 5

- Water activity at interfaces and its role in regulation of interfacial enzymes: a hypothesis
S. Damodaran (USA) 231
- Behavior of amphiphilic neoglycolipids at the air/solution interface: Interaction with a specific lectin
L. Berthelot, V. Rosilio, M.L. Costa, S. Chierici, G. Albrecht, P. Boullanger, A. Baszkin (France, Portugal). 239
- Chemiluminescence immunoassay in microemulsions
A. Kamyshny, S. Magdassi (Israel) 249
- Neutrophil interaction with protein-coated surfaces studied by an extended quartz crystal microbalance technique
G. Nimeri, C. Fredriksson, H. Elwing, L. Liu, M. Rodahl, B. Kasemo (Sweden). 255
- In vitro studies on blood protein adsorption to gold and pyrolytic carbon at pre-set electrical potentials
N. Holmström, A. Askendal, P. Tengvall (Sweden) 265
- Adhesion of normal and carcinoma hepatic cells on the membrane containing collagen IV using a micropipette technique
W. Zhezhi, W. Bochu, S. Kaifeng, A. Sakanishi (People's Republic of China, Japan) 273

Vol. 11 No. 6

- Influence of chemical agents on interactions in dairy products: Effect of SDS on casein micelles
E. Lefebvre-Cases, E. Gastaldi, B. Tarodo de la Fuente (France) 281
- Difference in surface activities between uncharged and charged local anesthetics: correlation with their anesthetic potencies
H. Matsuki, K. Shimada, S. Kaneshina, H. Kamaya, I. Ueda (USA, Japan) 287
- Superoxide generator using polyaniline catalyst
N. Kawashima, M. Takamatsu, K.-i. Morita (Japan) 297
- Dispersity of stratum corneum in the mixed aqueous solutions of binary mixtures between *N,N*-dimethyldodecylamine oxide and sodium dodecyl sulfate or two terpenes
K. Takahashi, S. Hayashi, E. Yamada, M. Takahashi, Y. Nakayama, M. Ueno (Japan) 301
- Evaluation of the adsorption affinity of proteins to calcium hydroxyapatites by desorption and pre-adsorption methods
K. Kandori, A. Fujiwara, M. Mukai, A. Yasukawa, T. Ishikawa (Japan) 313
- A dynamic light scattering study of the influence of the phospholipid concentration in a model perfluorocarbon emulsion
D. De Vleeschauwer, P. Van der Meeren (Belgium) 321
- Author Index. 331
- Subject Index. 333
- Volume Contents 335

